

Fig. 1

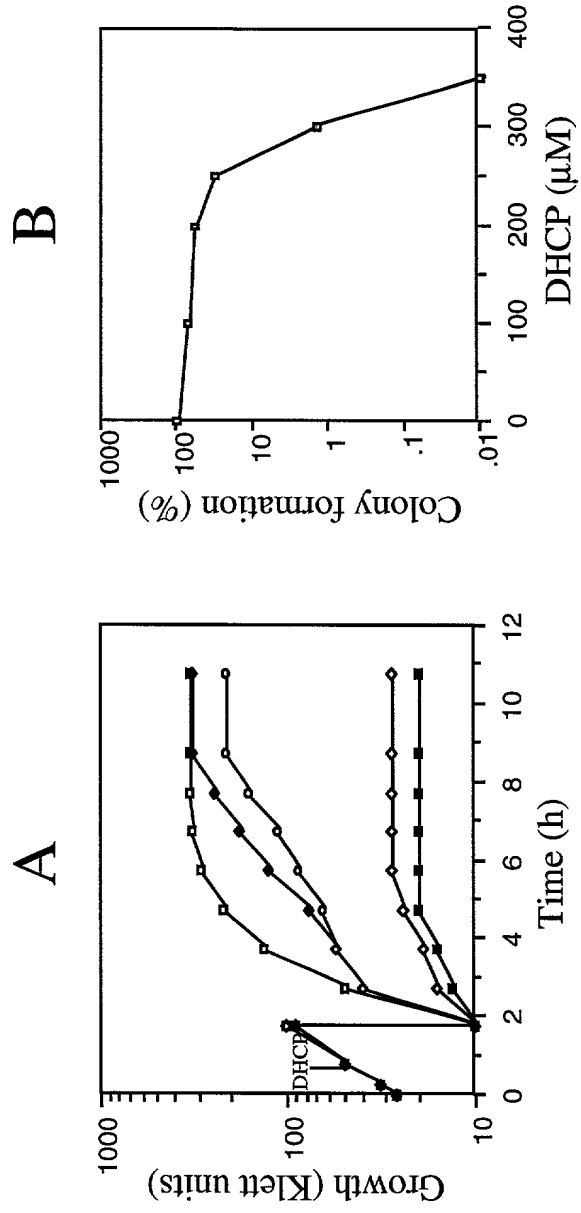


Fig. 2

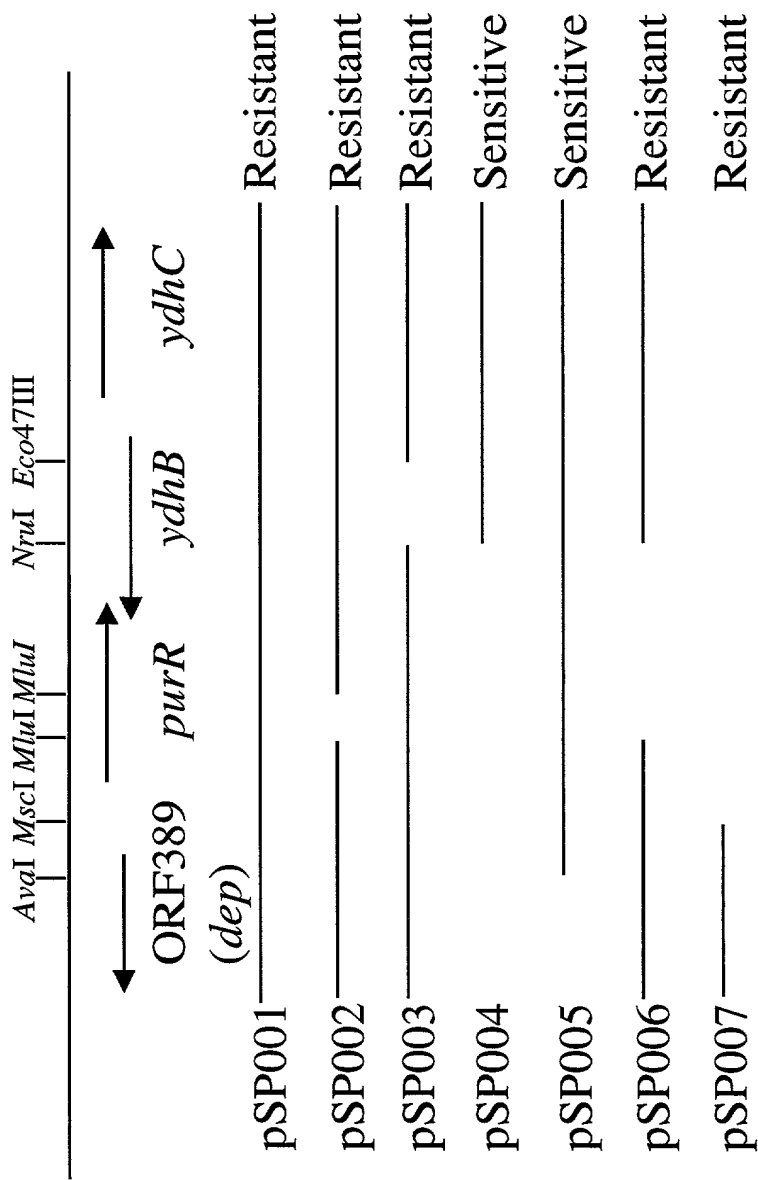


Fig. 3

[illegible]

III

84	NVL	S	A	P	D	Y	M	T	L	M	S	R	I	L	T	S	I	N	H	G	A	F	F	G	I	G	S	W	A	S	V	P	K	H	K	Q	A	S	A	V	A	T	M	F	M	F	M	G	L	T	L	A	N	I	G	G	V	P	A	A	T	L	G	E	T	I	G	M	R	S	F	I	A	T	A	G	L	V	I	S	N	S	V	S	L	F	F	S	L	P	K	C	A	G	A	R
82	H	V	E	G	A	L	T	D	S	E	G	V	L	I	V	R	I	C	E	L	A	N	G	F	L	A	V	A	L	G	A	M	S	V	P	A	D	M	K	R	A	T	S	V	L	G	G	T	A	C	V	G	V	P	C	A	L	G	E	L	G	M	R	A	S	E	V	V	L	S	A	P	A	V	A	M	A	S	T	P	A	D	S	P	T	D								
82	H	V	E	G	A	L	T	S	S	E	V	L	I	V	R	I	C	E	L	A	N	G	F	L	A	V	A	L	G	A	M	S	V	P	A	D	M	K	R	A	T	S	V	L	G	G	T	A	C	V	G	V	P	C	A	L	G	E	L	G	M	R	A	S	E	V	V	L	S	A	P	A	V	A	M	F	T	P	A	E	P	P	A	E										
82	H	A	C	A	G	A	T	T	S	P	V	I	A	C	R	V	A	A	L	A	N	G	F	L	A	V	A	L	L	T	T	A	A	V	P	A	D	K	O	C	R	A	L	A	V	L	S	G	T	T	A	T	A	G	V	P	C	G	L	G	T	M	G	M	R	A	T	E	W	A	V	A	V	C	C	I	P	A	F	G	L	K	A	P	A	R	A	T	A	A	T			
82	H	V	E	G	A	L	T	P	V	S	I	L	I	R	I	R	L	S	A	N	A	G	F	L	A	V	A	L	L	S	T	A	T	A	V	P	A	N	Q	K	R	A	T	S	I	L	S	G	T	T	A	T	A	G	V	G	P	A	L	L	G	E	H	G	M	A	S	E	V	V	L	S	A	P	A	V	A	M	R	E	T	S	A	T											
106	H	A	G	A	L	A	N	T	I	A	V	F	A	S	A	R	I	S	A	L	P	C	A	F	A	G	A	V	A	L	A	V	V	G	S	R	A	L	A	V	I	G	L	S	A	N	L	R	V	P	A	C	A	L	L	G	E	H	G	M	A	S	E	V	V	L	S	A	P	A	V	A	M	R	E	T	S	A	T																
89	A	V	A	C	A	L	A	N	T	I	D	I	Q	L	A	A	A	S	V	I	N	A	M	R	D	I	E	K	E	E	R	M	S	P	M	V	T	T	L	P	I	M	P	I	V	C	L	V	M	S	M	A	Y	I	T	E	L	A	S	A	M	F	L	K	E	T	L	P	P	E	R	R	O	P																					
91	S	A	C	C	I	A	O	T	M	N	Q	L	I	F	R	A	Q	C	G	G	A	L	L	P	E	A	T	I	F	I	D	F	P	E	K	R	K	M	S	M	F	G	A	V	F	L	S	L	G	P	L	L	A	T	T	S	I	S	M	V	F	I	N	V	P	C	A	L	S	L	F	F	I	R	Y	Y	K	E	S	L	E	H	R										
105	S	H	A	C	C	I	P	S	L	G	I	A	A	R	F	Q	C	G	A	A	I	M	S	A	N	A	T	A	V	Q	Y	E	A	I	L	R	G	A	L	N	A	V	A	F	A	F	A	G	P	P	M	A	H	L	S	F	T	S	M	L	E	L	I	N	V	P	C	A	L	S	F	F	L	S	W	O	K	L	P	K	E	D	K	G	K								

189	..P...	EVRKELAVLMRPQVLSALLTIVLGAMFTLY...	TYISPV...	LOSITHATPVVTAMLVILCVGFSIGN...	YLGKGLADRSVNGT...	LKGFLLILLMLVIML
186	SVE...	NATRELSLRQRKQLILVGLALINGATFCSE...	TYIAPT...	LTDVAFDSRRHPLILGLRCHGSFIGV...	SVGGRLADTRPFQL...	LVGSAALVGMV
186	STP...	NAKRELSLSRSRKQLMLVGLALINGATFCSE...	TYIAPT...	LTDILGFDSDRTHPLILGLRCHGSFIGV...	SVGGRLADTRPFQL...	LAVGSAALVGMV
189	GCP...	PURVELAALKTPRIILANILVGLALVNGATFASF...	THIAPV...	YTDTAGLGDILHSVALVTRFCGSFAGV...	TVAGRLDSDRPAQV...	LAVAGPLLVGWP
191	SP...	RURVELSQLATPRIILANILVGLALINGCTFAAE...	THIAPT...	YTETAGLAAATVSVALVTRFCGSFIGV...	THIAGRLDSDRPLV...	LAVGCPPLLVGMV
214	P...	KNEVALRYDRQVLSLDAVTALVAGGVFCA...	SYIAPL...	LTDVGLDRAATVSCVNLGFCFCGAVGT...	TIGGRVADAHTFGV...	LUTCASASTVFTV
198	H..IRTTIG.NFALFRHKKRLSYLASGFFAGMFS...	LS..AGPFVYIEIHLVAPENFCY...FALNV..F...	FVMTFNSFRVRRGALNF..RSGLMQF...			
195	K..QKILWG.GAITL.....	VSHCL..MFA.L..E..GGKTYDWSIQIIL..GLF..	FAV.V..FF...	IAFVEKAEPIISFWF..F...	KNRILFATAQ...	
209	S..QKFL.....	VPANICAS..LFA.LMWH.H..GGAHGSKTSPIIEEAVA...	LILG..F...	VRW...QSSHHRPLAVDF..R...	RSEFSASA...	
202	KGILMSVGIYFFLFTTSYSISFLVSLGLFLVVKHIRKVDTPFDVDPGCKNIPFMIGVCGGLFCGVAGF					SMVPYMKMDVHOLTAE.GSVIFPCTMSVFGY

282	Dep	ALPFLARNEFEAAISMVVWG...	AATFAVVPBQLQMRVMRVA	SEAPG.	LSSSVNIGAFNLGNALGAAAGCAVT...	SAGLGYSFVPV.	MGAIVAGLALLLVFMSARKQ	PETV				
281	Cmr	VFALTASHPVVTLMMFVQG...	TLTFAVGSTLISRVLTVADGAPT.		LGGSFATAFNFGAALGPALGV	ALGI...	WGNR.	APWTSAAVLAIVGAAWITWR	REPR			
281	Cmr2	VFALTASHPAVTLMFVQG...	ALSFAGSTLISQVYAADAAPT.		LGGSFATAFNFGAALGPALGV	ALGM...	LSR.	APWTSAAVTLAIVGAAWITWR	RPA			
284	Cml	ALAMLADRPVLLTLFVQG...	ALSFAGSTLITRVEYEAAGAPT.		LGGSYATAFNFGAAGPLVAF	PTGHTNMLG...	PLWASG	VEVALLVAPERTVIT.	TA			
285	Cmx	VAVASHPVLLTLFVQG...	FLSFVGSTLITRVEYASGAPT.		LGGSYATAFNFGAAGPLVGA...	GLAIGLGLLL.	APVWASV	TATALVAILTERRALTKTA				
306	CmlV	ALALFASNPATITLTLFV...	VAFYATALNARFNVAGAAPT.		LGCTTTAFNGLNTGGPWL	GGPVTI...	DANLGF.	STAWAGAAVTVLGELGTAAALRLTKRPA				
292	BcR	MAAMV...	IGLFWL.	VVGAAVFGQVSMVSNAM	VILDEFPHMGATSSLAG...	T...	RF...	ALVATSLA	FN.	SAWP.		
272	Bmr3	ITAFV...	GLF...	VFI.	FLFVQVAGSTATAGFLP...	ISVCSMG	IF.	QTKAS.				
284	Yc	ITAFV...	AF.	VQSM.	I.	FVA	PTFLQKKG	GFDVIMTGFLLPWP	MCAPFIAGRL	DRYPAG.		
312	Yc	IGGILVDRRVPYALNGVTEL...	VFLASFLLETTSWFM	IIIVFLCGHSFTKTV	STIMSS	LKOOEAGAGM	HLIN	ST.	SECTG	PAIVGCT	SHPLLD	PRLLP

Fig. 5

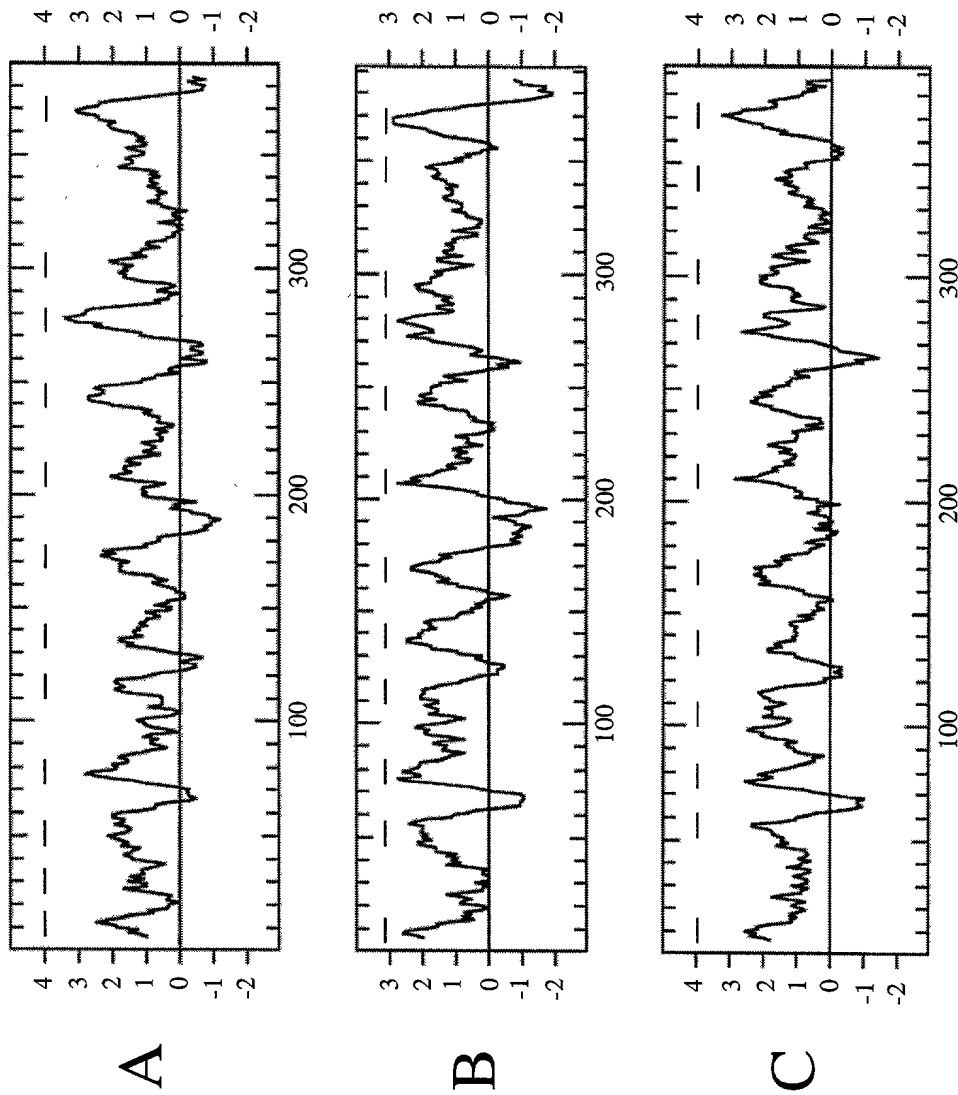


Fig. 5

gccagccact	cttccagctg	acgcacggta	tagctgaccg	cagaagggaac	gogatgcagc
tccgtgtccg	caataaa	actaccatta	cgcgctaccg	catcaaac	ttcagagtga
tattctgacc	acattctctg	cctgczaaat	ttttgaaacc	agtcaaaa	tattaccggt
tcacaacact	aatttcaact	cctacacttt	gcggcgggtg	ttaattgaga	gatttagaga
atatacatgc	aaactgggaa	aagattttta	gtctggctgg	cgggtttgag	cgtaactcgt
ttttctggaa	ccgatattga	tctgcctgct	ttcgcgcga	tacaggccga	cctgczaacg
cctgcgtctg	ctgtcagtg	cagccttagt	ctgttccttg	cgggttttgc	cgcagcccag
cttctgtggg	ggcgcctctc	cgaccgttat	ggtcgtaaac	cgggtattat	aatcggcctg
acaatttttg	cgttaggtag	tctggggatg	ctgtgggtag	aaaacgcgcg	tacgctgctg
gtattgcgtt	ttgtacaggc	tgtgggtgtc	tgccgcgcgg	cgggttatct	gcaagcatta
gtgacagatt	attatccttc	acagaaagtt	aaccgtatct	ttgcggccat	cattcccgctg
gtgggtctat	ctccggcact	ggctcctctg	ttaggaagct	ggctgctggg	ccatttttcc
ttggcaggca	ttttcgccac	cctgtttgce	attaccgtgg	tgctgattct	gootatthtc
ttggctcaaac	ccacgcagaa	ggcccgtaac	aatagtcagg	atggtctgac	ctttaccgac
ctgctacgtt	ctaaaacct	tcggcgcaac	gtgctgatat	acgcagcctg	ttcagccagt
ttttttgcat	ggctgacggg	ttcacccgtt	atccttagtg	aaatgggcta	cagcccgga
gttattgggt	taagtattgt	cccgcaaaact	atcgcgtttc	tgattgggtg	ttatgggtgt
cgcgcgcgcg	tgcaaaaatg	gcaaggcaag	cagttattac	cgtggttgct	ggtgctgttt
gctgtcagcg	tcattgcgac	ctgggctgcg	ggcttcatta	gocatgtgtc	gctggtcgaa
atcctgattc	cattctgtgt	gatggcgatt	gccaatggcg	cgatctadcc	tattggtgtc
gcccaggcgc	tgctgccttt	cccaacgcga	actggctgcg	cgcagcgtt	gcagaacact
cctcaactgg	gtctgtgctt	cctcgcaagt	ctggtagttt	cctggctgat	cagtatcagc
acgccattgc	tcaccaccac	cagcgtgatg	ttatcaacag	taatgctggg	cgcgctgggt
tacatgatgc	aacgttgtga	agaagttggc	tgccagaatc	atggcaatgc	cgaagtgcgt
catagcgaat	cacactgctc	tatatcgata	taactatact	taggctgcta	acaaaatttt
gttgtatgat	tgaatttagc	ggcctatact	aatttcgagt	tgtaaaagt	acgataaata
ttattgtttt	acggggacag	gatcgttccc	gaactcaact	ggatagtcac	ttcggcaagg
gttctctctt	tcctctgtgt	ctacgtcgga	ttatagactc	gcgggttttt	ctgcgagatt
tctcacaagg	cccaaaaagc	gtctacgtgt	ttttaagggt	ctgatcaccg	accagtgatg
gagaaactat	gagttcatcg	tgtatagaag	aagtcagtg	accggatgac	aactgggtacc
gtatcgccaa	cgaattactt	agccgtgcgc	gtatagccat	taacgggtct	gccccggcgg
atattcgtgt	gaaaaaaccc	gattttttta	aacgcgttct	gcaagaaggc	tctttggggg
taggcgaaag	ttatatggat	ggctgggtgg	aatgtgaccg	actggatatg	tttttttaga
aagtctttacg	cgcaggctct	gagaaccaac	teccccatca	tttcaaaagc	actgctcgta
ttgcgcggcg	tcgtctcttc	aactctgcga	gtaaaaaacg	tgccctggata	gtcggcgaag
agcattacga	tttgggtaat	gaactgttca	gcgcgatgct	tgatcccttc	atgcaatatt
cctgcgctta	ctggzaagat	gocgataatc	tggaatctgc	ccagcaggcg	aagctcaaaa
tgattttgtga	aaaattgcag	ttaaaaaccg	ggatgcgcgt	actggatatt	ggctgcggct
ggggcgggact	ggcacactac	atggcatcta	attatgacgt	aagcgtgggt	ggcgtcacca
tttctgcgga	acagcaaaaa	atggctcagg	aacgctgtga	aggcctggat	gtcaacattt
tgctgcaaga	ttatcgtgac	ctgaacgacc	agttttgatc	tattgtttct	tgggggatgt
tcgagcacgt	cggacggaaa	aattacgata	cctatttttg	gggtggtggg	cgtaatttga
aacccggaag	catattcctg	ctccatacta	toggttcgaa	aaaaaccgat	ctgaatgttg
atccctggat	taataaatat	atttttccga	acgggttgct	gcccctctgt	cgcagatttg
ctcagctccag	cgaaccccac	tttgcgatgg	aagactggca	taacttcogg	gctgattacg
atactacgtt	gatggcgtgg	tatgaacgat	tcctcgccgc	atggccagaa	attgcggata
actatagtga	acgctttaaa	cgaatgttta	cctattatct	gaatgcctgt	gcagggtgct
tccgcgcccc	tgatattcag	ctctggcagg	tcgtgtttct	acgcgggtgt	gaaaaacggc
ttcagagtggc	tcgctaaagg	ctattctatc	gccccctctc	cgggggggat	ttcagatcag
gcttctgtgc	cctgggtgatt	catggcatct	tctcgtgcgc	ccagcacacg	ttctaccgta
tctaccactg	cctgagtttg	tggatcgatt	tcaatgttga	cgcgtgcgoc	aagttttttc
ttcccaagag	tcgtgcgttc	cagtgtttcc	ggaattaaat	ggacgcaaaa	acgcgttggc
gtgacttcgc	cgcaggtcag	gctaataccg	tcgatgcoc	taaatccttt	gtacagaata
tatttcatca	actgactatc	ctggagttta	aaccagatct	ggcgattatt	ttctgaggtt
aatatatttcg	ccacttcagc	agtggctata	atatgacotg	acattaaagt	tcgcgcaatt
tcacactga	atttcgcgcg	acgctcaacg	tttaoccaa	cccccacttt	taaatcgcca
tgattggtaa	tgcttaacgt	ttgcttaacg	aggtcaaaac	tgacatgggt	gocgttaatt
tccgtcacgg	tcaggcagca	accgttatgc	gccaacgga	cacccggttc	caggccgctc
agcatgtggg	cgggtaaact	caccacatgc	gtacgaaaat	ttgggtttct	gtcaatcgac
accagttttg	cgggtgcctg	tacaatccc	gtaaaacata	ttacaactcc	tgaatcaggt
taagacattc	tggtcagcac	aatagcaggt	ggaaaacgoc	cttaccagtg	aagggttaag
aatggctatt	ttttcactgg	agaatttaata	aatcctcgct	acaatagact	gaatttccc
tgcttcttct	ttttgctgoc	cattcaggcg	gcttttttag	ctctcatata	actacaaata
aaagggttct	acgtgcagaa	gtatatcagc	gaagcgctgc	tggtatttag	attagcaatc
ccgggtgattc	tcgcgczaat	cgccccaaact	gogatggggt	ttgtcagtag	cgtgatggcg

[atgc aacotgggaa aagattttta gtotggctgg cgggtttgag cgtactcggg
 4681 tttctgggaa ccgatatgta tctgcctgct ttgcgcgcca tacaggccga] cctgcaaacg
 4741 cctgcgtctg ctgtcagtgc cagccttagt ctgttccttg ccggtttttg cgcagcccag
 4801 cttctgtggg ggccgctctc cgaccgttat ggtcgtaaac cggattattt aatcggcctg
 4851 acaatttttg cgttaggtag tctggggatg ctgtgggtag aaaacgcgcg tacgctgctg
 4921 gtattgcgtt ttgtacaggg tgtgggtgtc tgcgcgcggg cggttatctg gcaagcatta
 4981 gtgacagatt attatccttc acagaaagtt aacogtattt ttgoggcoat catgcccgtg
 5041 gtgggtctat ctccggcact ggctcctctg ttaggaagct ggctgctggg ccatttttcc
 5101 tggcaggcga ttttcggcac cctgtttgoc attacogtgg tgcgtattct gcctattttc
 5161 tggctcaaac ccacgacgaa ggcccgtaac aatagtcagg atggctctgac ctttacggac
 5221 ctgctacgtt ctaaaacctt tgcgggcaac gtgctgatat acgcagcctg ttcagccagt
 5281 ttttttgcac ggctgacogg ttcacogtcc atccttagtg aaatgggcta cagcccggca
 5341 gttattgggt taagtatatg ccgcgaaact atcgcgtctc tgattgggtg ttatggctgt
 5401 cgcgcgcgcg tgcagaaatg gcaaggcaag cagttattac cgtggttgct ggtgctgttt
 5461 gctgtcagcg tcattgcgac ctggggtgcg ggcttcatta gccatgtgtc gctggctgaa
 5521 atcctgatcc cattctgtgt gatggcgatt gccaatggcg cgatctaccc tattgttgtc
 5581 gccacggcgc tgcgtccctt ccacacgca actggtcgcg ccgcagcgtt gcagaacact
 5641 cttcaactgg gtctgtgctt cctcgcaagt ctggtagttt cctggctgat cagtatcagc
 5701 acgocattgc tcaccaccac cagcgtgatg ttatcaacag taatgctggg cgcgctgggt
 5761 tacatgatgc aacgttgtga agaagttggc tgccagaato atggcaatgc cgaagtgcct
 5821 catagcgaat cacactga